

Title (en)

Voltage multiplier with linear stabilized output voltage

Title (de)

Spannungsvervielfacher mit linearstabilisierten Ausgangsspannung

Title (fr)

Multiplicateur de tension avec tension de sortie stabilisée lineairement

Publication

**EP 0700146 B1 20000524 (EN)**

Application

**EP 94830413 A 19940831**

Priority

EP 94830413 A 19940831

Abstract (en)

[origin: EP0700146A1] An output voltage stabilisation circuit for a voltage multiplier of the type comprising a first charge transfer capacitor (C1) designed to take and transfer electrical charges from the input terminal (IN) to the output terminal (OUT) of a second capacitor (C2) for charge storage connected between the output terminal (OUT) and ground comprises an integrator designed to generate a continuous voltage corresponding to the difference between a reference voltage (V<sub>ref</sub>) and the output voltage (V<sub>out</sub>) of the voltage multiplier and said continuous voltage is applied to one terminal of said charge transfer capacitor (C1). <MATH>

IPC 1-7

**H02M 3/00**; **H02M 3/07**

IPC 8 full level

**H01L 27/04** (2006.01); **H01L 21/822** (2006.01); **H02M 3/07** (2006.01)

CPC (source: EP US)

**H02M 3/07** (2013.01 - EP US); **H02M 1/0045** (2021.05 - EP US)

Cited by

US5939866A; EP1271756A1; EP0952661A3; DE19752985A1; EP1202439A3; US6717829B2; US6522192B1; WO9845931A1; WO0239568A3; WO9950862A1; EP0772283A1

Designated contracting state (EPC)

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**EP 0700146 A1 19960306**; **EP 0700146 B1 20000524**; DE 69424668 D1 20000629; DE 69424668 T2 20010125; JP H0898512 A 19960412; US 5712777 A 19980127

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**EP 94830413 A 19940831**; DE 69424668 T 19940831; JP 22351895 A 19950831; US 41427795 A 19950331